

Work Order ID 129230***129230***

Page 1

Friday, January 30, 2015 11:09:04 AM

Item ID: D4635-141 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Fwd Ceiling Replacement Panel Assembly, LH
Start Date: 1/30/2015 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 1/30/2015 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: MLS Date: 1501-30 Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr D46						D46		
D4635	27						27		
	8-89						8-89		

100

0.00

100

HandThermo

Hand Finishing Thermoforming

Memo

Pick Kit

0.00

FEB 05 2015

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐															
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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110

110

Small Fab

Small Fab

Memo

Assemble as per Dwg D4635-141
Bond foam core to inside of panel
3M Scotch Weld 1300 Batch: 130870

1- Scuff bonding surface to eliminate in-perfections and increase bonding and clean with wash& wipe

2- Locate and glue down Channel Assy, angles, brackets, and mounting pads using 3M Plastic welder II.(see note 8)

Batch # 130290

Expiry Date 3/17/2015

3- Apply labels as per Dwg. and seal with 3M 3950 edge sealer(see note 9)

Batch: 124725

120

120

QC

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

0.00

0.00

FEB 05 2015

15/03/05

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Training									
Transport									
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FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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129230

Page 3

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Revision ID: Stop ***NS2***
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Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: <u>MLD</u>	0.00				<u>D46</u> <u>27</u> <u>8-30</u>			
130									
Packaging	Memo	0.00							
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

FEB 05 2015

MLD 150206

15-2-5

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

Friday, January 30, 2015 11:09:09 AM

Page 1

Work Order ID: 129230

129230

Parent Item: D4635-141

D4635-141

Parent Item Name: Fwd Ceiling Replacement Panel Assembly, LH

Start Date: 1/30/2015

Required Date: 1/30/2015

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev A new Issue 13/02/04 DL verf:DD
Dwg. Update 12/11/08 DL
13/07/09 DL verf:DD
13/12/23 DL
IPP Rev B
IPP Rev C Dwg. Update
IPP Rev. D Dwg Update Add Foam

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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D5022-1		Manufactured	No			100	Each	22.0000	1	1		DAS 27 FEB 05 2015	
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D5022-1

Foam, Side Panel, Fwd

Location	Loc Qty	Loc Code
MF	22	
123925	11	
126184	11	

D4635-1		Manufactured	No			100	Each	0.0000	1	1		DAS 27 FEB 05 2015	
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D4635-1

Fwd Ceiling Panel, LH

D4695-041		Manufactured	No			100	Each	5.0000	1	1		DAS 27 FEB 05 2015	
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D4695-041

Channel Assembly, LH

Location	Loc Qty	Loc Code
MF	5	
125011	5	

D4669-1		Manufactured	No			100	Each	57.0000	2	2		DAS 27 FEB 05 2015	
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D4669-1

Bracket

Location	Loc Qty	Loc Code
MF	57	
124100	17	
125017	40	

DQA: _____ Date: _____



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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

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Page 2

Work Order ID: 129230

129230

Parent Item: D4635-141

D4635-141

Parent Item Name: Fwd Ceiling Replacement Panel Assembly, LH

Start Date: 1/30/2015

Required Date: 1/30/2015

Start Qty: 1.00

Required Qty: 1.00

D4732-5 Manufactured No

100 Each 16.0000 1 1

D4732-5

Label

**DAS
27**

FEB 05 2015

Location

Loc Qty

Loc Code

MF

16

120062

5

123202

11

D4732-9 Manufactured No

100 Each 15.0000 1 1

D4732-9

Label

**DAS
27**

FEB 05 2015

Location

Loc Qty

Loc Code

MF4

15

120065

3

123204

12

D4732-29 Manufactured No

100 Each 15.0000 1 1

D4732-29

Label

**DAS
27**

FEB 05 2015

Location

Loc Qty

Loc Code

MF

15

120075

3

123214

12

D4732-33 Manufactured No

100 Each 15.0000 1 1

D4732-33

Label

**DAS
27**

FEB 05 2015

Location

Loc Qty

Loc Code

MF

15

120077

3

123216

12

Friday, January 30, 2015 11:09:10 AM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Training									
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Unapproved									

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Parent Item: D4635-141

D4635-141

Parent Item Name: Fwd Ceiling Replacement Panel Assembly, LH

Start Date: 1/30/2015

Required Date: 1/30/2015

Start Qty: 1.00

Required Qty: 1.00

MPNY-750S-9-C

Purchased

No

100

Each

932.0000

7

7

MPNY-750S-9-C

**D46
27
0-00**

Mounting Pad

Location

Loc Qty

Loc Code

MF4

932

932

M130423

FEB 05 2015

7

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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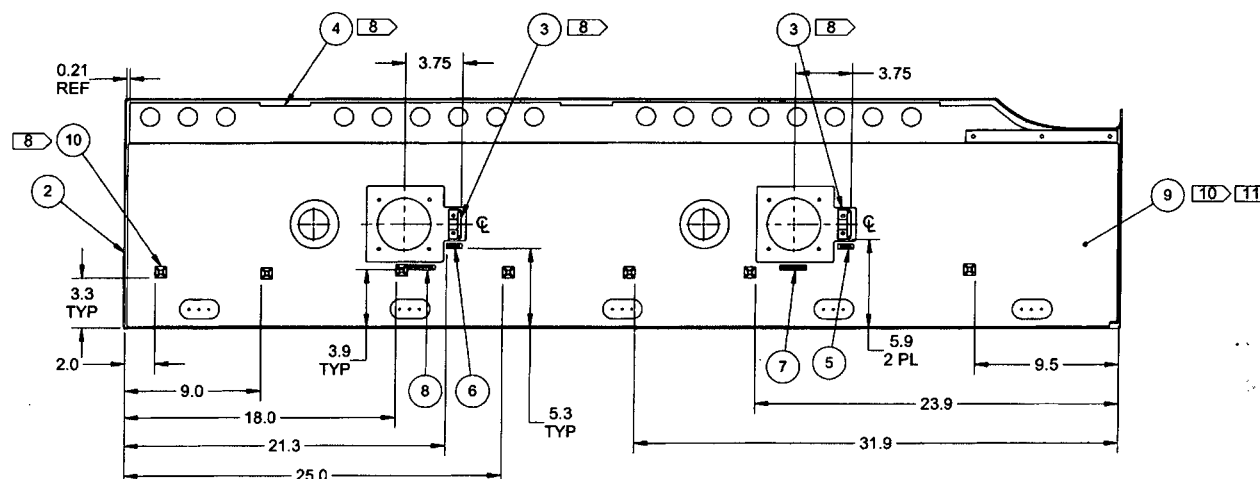
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ITEM	QTY	P/N	DESCRIPTION
1	X	D4635-141	LH, FWD CEILING REPLACEMENT PANEL ASSY
2	1	D4635-1	LH, FWD CEILING PANEL
3	2	D4669-1	BRACKET
4	1	D4695-041	LH CHANNEL ASSEMBLY
5	1	D4732-5	LABEL
6	1	D4732-9	LABEL
7	1	D4732-29	LABEL
8	1	D4732-33	LABEL
9	1	D5022-1	FOAM, SIDE PANEL, FWD
10	7	MPNY-750S-9-C	MOUNTING PAD



D4635-141 LH, FWD CEILING REPLACEMENT PANEL ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A
- 8) APPLY A BEAD (0.20 TO 0.30 WIDE) OF DEVCON PLASTIC WELDER II (0.25 INSIDE OF BOTH EDGES OF PART) TO BOND D4669-1, D4695-041 & MPNY-750S-9C. WAIT FOR 2 TO 4 HOURS FOR FUNCTIONAL CURE
- 9) LOCATE LABELS AS SHOWN, SEAL LABELS USING 3950 EDGE SEALER OVER LABEL TOP SURFACE
- 10) APPLY AN EVEN COAT OF 3M SCOTCH WELD 1300L CONTACT ADHESIVE TO BOND D5022-1 FOAM CORE TO INSIDE OF PANEL
- 11) CENTER D5022-1 FOAM ON D4635-1

APPROVED

DESIGN	RF
DRAWN	RF
CHECKED	AK
MFG. APPR.	DL
APPROVED	HS
DE APPR.	DS
DATE	14.11.28

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.	REV. F
D4635	SHEET 9 OF 18
TITLE	SCALE
OUTBOARD CEILING PANELS	NTS

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2015 JAN 26